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US Geological Survey

Landsat 7 Calibration Parameter File Release

Version Description Document

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Executive Summary

The Version Description Document (VDD) is required by the Landsat Program Configuration Control Board for all software releases put into the operational environment. This VDD is the primary configuration control document used to track and control versions of Calibration Parameter files released to the operational environment. It is a summary of the features and contents of the CPF changes, and identifies and describes the version of the CPFs being delivered.

Keywords: Version Description Document (VDD), Calibration Parameter File (CPF).

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Section 1 Preface

This Calibration Parameter File (CPF) Change Description Document is controlled by the Mission Management Office System Engineering (MMOSE) and the Landsat 7 Data Handling Facility (DHF) Change Control Board (L7 DCCB) and accompanies the release of CPFs for the 1st Quarter of 2003.

Comments and questions regarding this document should be directed to:

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Section 2 Overview

This document details the Calibration Parameter Files (CPFs) released for the quarter beginning 01 January 2003 and the changes made to them.

Section 3 Reason for CPF Issuance and Changes

This release is a routine quarterly release for the 1Q2003 CPF. The standard changes to the CPF attributes and the UT1 Parameters have been made to all CPFs.

Section 4 List of CPFs in Effect

The following table shows the CPFs in effect for each time period since the Launch of Landsat 7, as well as the preceding CPFs.

Period Covered	4Q2002 CPF Name	1Q2003 CPF Name
1 January 2003 – 31 March 2003	N/A	L7CPF20030101_20030331.01 (NEW)
1 October – 31 December 2002	L7CPF20021001_20021231.01	L7CPF20021001_20021231.02
1 July – 30 September 2002	L7CPF20020701_20020930.02	L7CPF20020701_20020930.03
1 April – 30 June 2002	L7CPF20020401_20020630.02	L7CPF20020401_20020630.03
1 January – 31 March 2002	L7CPF20020101_20020331.03	L7CPF20020101_20020331.04
1 October – 31 December 2001	L7CPF20011001_20011231.04	L7CPF20011001_20011231.05
01 July 2001 – 30 September 2001	L7CPF20010701_20010930.04	L7CPF20010701_20010930.05
01 April 2001 – 30 June 2001	L7CPF20010401_20010630.05	L7CPF20010401_20010630.06
01 January 2001 – 31 March 2001	L7CPF20010101_20010331.06	L7CPF20010101_20010331.07
01 October – 31 December 2000	L7CPF20001001_20001231.07	L7CPF20001001_20001231.08
19 July – 30 September 2000	L7CPF20000719_20000930.09	L7CPF20000719_20000930.10
01 July – 18 July 2000	L7CPF20000701_20000718.08	L7CPF20000701_20000718.09
01 April – 30 June 2000	L7CPF20000401_20000630.08	L7CPF20000401_20000630.09
01 January – 31 March 2000	L7CPF20000101_20000331.10	L7CPF20000101_20000331.11
09 December – 31 December 1999	L7CPF19991209_19991231.11	L7CPF19991209_19991231.12
24 November – 08 December 1999	L7CPF19991124_19991208.11	L7CPF19991124_19991208.12
01 October – 23 November 1999	L7CPF19991001_19991123.11	L7CPF19991001_19991123.12
01 July – 30 September 1999	L7CPF19990701_19990930.14	L7CPF19990701_19990930.15
01 April – 30 June 1999	L7CPF19990401_19990630.17	L7CPF19990401_19990630.18

Section 5 List of Changed Units

5.1 New Groups or Fields to CPF File Structures

There were no changes to the CPF file structure with any of the CPFs released this quarter.

5.2 Deleted Groups or Fields in the CPF File Structures

There were no deletions to the CPF file structure with any of the CPFs released this quarter.

5.3 Modifications to Existing CPF Values

The following changes were made to those CPFs newly generated or modified this quarter:

5.3.1 File: L7CPF20030101_20030331.01

This is the new CPF for the 1st Quarter of 2003. The contents are based on the CPF file from 4Q2002 (File: L7CPF20021001_20021231.01) with the following changes:

5.3.1.1 GROUP=FILE_ATTRIBUTES

Routine changes to show new filename and effectivity dates.

5.3.1.2 GROUP=UT1_TIME_PARAMETERS

UT1 parameters have been updated based on estimated values as computed at the Naval Observatory.

5.3.2 File: L7CPF20021001_200201231.02

Changes made to the .01 version of this CPF include the following groups:

5.3.2.1 GROUP=FILE_ATTRIBUTES

Routine changes to show new filename and effectivity dates. is the affected parameter.

5.3.2.2 GROUP=UT1_TIME_PARAMETERS

UT1 parameters have been updated based on estimated values as computed at the Naval Observatory.

5.3.3 File: L7CPF20020701_20020930.03

Changes made to the .02 version of this CPF include the following groups:

5.3.3.1 GROUP=FILE_ATTRIBUTES

Routine changes to show new filename and effectivity dates.
is the affected parameter.

5.3.3.2 GROUP=UT1_TIME_PARAMETERS

UT1 parameters have been updated based on estimated
values as computed at the Naval Observatory.

Section 6 Operational Changes to be Expected with New CPFs

There are no major changes to operations or performance expected due to these CPFs. The primary change was the update of the UT1_TIME_PARAMETERS group for 1Q2003, 4Q2002, and 3Q2002.